



PCT09

RAW SEQUENCE LISTING

DATE: 08/28/2002

PATENT APPLICATION: US/09/786,797B

TIME: 12:24:31

Input Set : N:\Crf3\08262002\I786797A.raw

Output Set: N:\CRF3\08282002\I786797B.raw

ENTERED

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1 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
2   LAL, Preeti
3   TANG, Y. Tom
4   YUE, Henry
5   HILLMAN, Jennifer L.
6   BANDMAN, Olga
7   CORLEY, Neil C.
8   GUEGLER, Karl J.
9   PATTERSON, Chandra
10  AZIMZAI, Yalda
11  BAUGHN, Mariah R.
12 <120> TITLE OF INVENTION: HUMAN CYTOSKELETON ASSOCIATED PROTEINS
13 <130> FILE REFERENCE: PF-0594 PCT
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/786,797B
15 <141> CURRENT FILING DATE: 2002-08-26
16 <150> PRIOR APPLICATION NUMBER: 09/156,470; unassigned; 60/131,321
W--> 17 <151> PRIOR FILING DATE: 1998-09-18; 1998-09-18; 1999-04-27
18 <160> NUMBER OF SEQ ID NOS: 32
19 <170> SOFTWARE: PERL Program
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1005
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
25 <220> FEATURE:
26 <221> NAME/KEY: misc_feature
27 <223> OTHER INFORMATION: Incyte ID No: 1285395
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31   Ser Gln Leu Gly Thr Asp Ala Thr Lys Glu Lys Pro Lys Glu Val
32       20           25           30
33   Ala Glu Asn Gln Gln Asn Gln Ser Ser Asp Pro Glu Glu Glu Lys
34       35           40           45
35   Gly Ser Gln Pro Pro Pro Ala Ala Glu Ser Gln Ser Ser Leu Arg
36       50           55           60
37   Arg Gln Lys Arg Glu Lys Glu Thr Ser Glu Ser Arg Gly Ile Ser
38       65           70           75
39   Arg Phe Ile Pro Pro Trp Leu Lys Lys Gln Lys Ser Tyr Thr Leu
40       80           85           90
41   Val Val Ala Lys Asp Gly Gly Asp Lys Lys Glu Pro Thr Gln Ala
42       95          100          105
43   Val Val Glu Glu Gln Val Leu Asp Lys Glu Glu Pro Leu Pro Glu
44       110          115          120

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45	Glu Gln Arg Gln Ala Lys Gly Asp Ala Glu Glu Met Ala Gln Lys	
46		125 130 135
47	Lys Gln Glu Ile Lys Val Glu Val Lys Glu Glu Lys Pro Ser Val	
48		140 145 150
49	Ser Lys Glu Glu Lys Pro Ser Val Ser Lys Val Glu Met Gln Pro	
50		155 160 165
51	Thr Glu Leu Val Ser Lys Glu Arg Glu Glu Lys Val Lys Glu Thr	
52		170 175 180
53	Gln Glu Asp Lys Leu Glu Gly Gly Ala Ala Lys Arg Glu Thr Lys	
54		185 190 195
55	Glu Val Gln Thr Asn Glu Leu Lys Ala Glu Lys Ala Ser Gln Lys	
56		200 205 210
57	Val Thr Lys Lys Thr Lys Thr Val Gln Cys Lys Val Thr Leu Leu	
58		215 220 225
59	Asp Gly Thr Glu Tyr Ser Cys Asp Leu Glu Lys His Ala Lys Gly	
60		230 235 240
61	Gln Val Leu Phe Asp Lys Val Cys Glu His Leu Asn Leu Leu Glu	
62		245 250 255
63	Lys Asp Tyr Phe Gly Leu Leu Phe Gln Glu Ser Pro Glu Gln Lys	
64		260 265 270
65	Asn Trp Leu Asp Pro Ala Lys Glu Ile Lys Arg Gln Leu Arg Asn	
66		275 280 285
67	Leu Pro Trp Leu Phe Thr Phe Asn Val Lys Phe Tyr Pro Pro Asp	
68		290 295 300
69	Pro Ser Gln Leu Thr Glu Asp Ile Thr Arg Tyr Phe Leu Cys Leu	
70		305 310 315
71	Gln Leu Arg Gln Asp Ile Ala Ser Gly Arg Leu Pro Cys Ser Phe	
72		320 325 330
73	Val Thr His Ala Leu Leu Gly Ser Tyr Thr Leu Gln Ala Glu Leu	
74		335 340 345
75	Gly Asp Tyr Asp Pro Glu Glu His Gly Ser Ile Asp Leu Ser Glu	
76		350 355 360
77	Phe Gln Phe Ala Pro Thr Gln Thr Lys Glu Leu Glu Glu Lys Val	
78		365 370 375
79	Ala Glu Leu His Lys Thr His Arg Gly Leu Ser Pro Ala Gln Ala	
80		380 385 390
81	Asp Ser Gln Phe Leu Glu Asn Ala Lys Arg Leu Ser Met Tyr Gly	
82		395 400 405
83	Val Asp Leu His His Ala Lys Asp Ser Glu Gly Val Asp Ile Lys	
84		410 415 420
85	Leu Gly Val Cys Ala Asn Gly Leu Leu Ile Tyr Lys Asp Arg Leu	
86		425 430 435
87	Arg Ile Asn Arg Phe Ala Trp Pro Lys Ile Leu Lys Ile Ser Tyr	
88		440 445 450
89	Lys Arg Ser Asn Phe Tyr Ile Lys Val Arg Pro Ala Glu Leu Glu	
90		455 460 465
91	Gln Phe Glu Ser Thr Ile Gly Phe Lys Leu Pro Asn His Arg Ala	
92		470 475 480
93	Ala Lys Arg Leu Trp Lys Val Cys Val Glu His His Thr Phe Tyr	

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94		485		490		495
95	Arg Leu Val Ser	Pro Glu Gln Pro Pro	Lys Ala Lys Phe Leu Thr			
96		500		505		510
97	Leu Gly Ser Lys	Phe Arg Tyr Ser Gly	Arg Thr Gln Ala Gln Thr			
98		515		520		525
99	Arg Gln Ala Ser	Thr Leu Ile Asp Arg	Pro Ala Pro His Phe Glu			
100		530		535		540
101	Arg Thr Ser Ser	Lys Arg Val Ser Arg	Ser Leu Asp Gly Ala Pro			
102		545		550		555
103	Ile Gly Val Met	Asp Gln Ser Leu Met	Lys Asp Phe Pro Gly Ala			
104		560		565		570
105	Ala Gly Glu Ile	Ser Ala Tyr Gly Pro	Gly Leu Val Ser Ile Ala			
106		575		580		585
107	Val Val Gln Asp	Gly Asp Gly Arg Arg	Glu Val Arg Ser Pro Thr			
108		590		595		600
109	Lys Ala Pro His	Leu Gln Leu Ile Glu	Gly Lys Lys Asn Ser Leu			
110		605		610		615
111	Arg Val Glu Gly	Asp Asn Ile Tyr Val	Arg His Ser Asn Leu Met			
112		620		625		630
113	Leu Glu Glu Leu	Asp Lys Ala Gln Glu	Asp Ile Leu Lys His Gln			
114		635		640		645
115	Ala Ser Ile Ser	Glu Leu Lys Arg Asn	Phe Met Glu Ser Thr Pro			
116		650		655		660
117	Glu Pro Arg Pro	Asn Glu Trp Glu Lys	Arg Arg Ile Thr Pro Leu			
118		665		670		675
119	Ser Leu Gln Thr	Gln Gly Ser Ser His	Glu Thr Leu Asn Ile Val			
120		680		685		690
121	Glu Glu Lys Lys	Arg Ala Glu Val Gly	Lys Asp Glu Arg Val Ile			
122		695		700		705
123	Thr Glu Glu Met	Asn Gly Lys Glu Ile	Ser Pro Gly Ser Gly Pro			
124		710		715		720
125	Gly Glu Ile Arg	Lys Val Glu Pro Val	Thr Gln Lys Asp Ser Thr			
126		725		730		735
127	Ser Leu Ser Ser	Glu Ser Ser Ser Ser	Ser Ser Glu Ser Glu Glu			
128		740		745		750
129	Glu Asp Val Gly	Glu Tyr Arg Pro His	His Arg Val Thr Glu Gly			
130		755		760		765
131	Thr Ile Arg Glu	Glu Gln Glu Tyr Glu	Glu Glu Val Glu Glu Glu			
132		770		775		780
133	Pro Arg Pro Ala	Ala Lys Val Val Glu	Arg Glu Glu Ala Val Pro			
134		785		790		795
135	Glu Ala Ser Pro	Val Thr Gln Ala Gly	Ala Ser Val Ile Thr Val			
136		800		805		810
137	Glu Thr Val Ile	Gln Glu Asn Val Gly	Ala Gln Lys Ile Pro Gly			
138		815		820		825
139	Glu Lys Ser Val	His Glu Gly Ala Leu	Lys Gln Asp Met Gly Glu			
140		830		835		840
141	Glu Ala Glu Glu	Glu Pro Gln Lys Val	Asn Gly Glu Val Ser His			
142		845		850		855

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Output Set: N:\CRF3\08282002\I786797B.raw

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143 Val Asp Ile Asp Val Leu Pro Gln Ile Ile Cys Cys Ser Glu Pro
144                               860 865 870
145 Pro Val Val Lys Thr Glu Met Val Thr Ile Ser Asp Ala Ser Gln
146                               875 880 885
147 Arg Thr Glu Ile Ser Thr Lys Glu Val Pro Ile Val Gln Thr Glu
148                               890 895 900
149 Thr Lys Thr Ile Thr Tyr Glu Ser Pro Gln Ile Asp Gly Gly Ala
150                               905 910 915
151 Gly Gly Asp Ser Gly Thr Leu Leu Thr Ala Gln Thr Ile Thr Ser
152                               920 925 930
153 Glu Ser Val Ser Thr Thr Thr Thr Thr His Ile Thr Lys Thr Val
154                               935 940 945
155 Lys Gly Gly Ile Ser Glu Thr Arg Ile Glu Lys Arg Ile Val Ile
156                               950 955 960
157 Thr Gly Asp Gly Asp Ile Asp His Asp Gln Ala Leu Ala Gln Ala
158                               965 970 975
159 Ile Arg Glu Ala Arg Glu Gln His Pro Asp Met Ser Val Thr Arg
160                               980 985 990
161 Val Val Val His Lys Glu Thr Glu Leu Ala Glu Glu Gly Glu Asp
162                               995 1000 1005
164 <210> SEQ ID NO: 2
165 <211> LENGTH: 1045
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <223> OTHER INFORMATION: Incyte ID No: 1320252
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173 1 5 10 15
174 Ala Pro Glu Asn Ser Gly Ile Ser Thr Leu Glu Arg Gly Gln Lys
175 20 25 30
176 Pro Pro Pro Thr Pro Ser Gly Lys Leu Val Ser Ile Lys Ile Gln
177 35 40 45
178 Met Leu Asp Asp Thr Gln Glu Ala Phe Glu Val Pro Gln Arg Ala
179 50 55 60
180 Pro Gly Lys Val Leu Leu Asp Ala Val Cys Asn His Leu Asn Leu
181 65 70 75
182 Val Glu Gly Asp Tyr Phe Gly Leu Glu Phe Pro Asp His Lys Lys
183 80 85 90
184 Ile Thr Val Trp Leu Asp Leu Leu Lys Pro Ile Val Lys Gln Ile
185 95 100 105
186 Arg Arg Pro Lys His Val Val Val Lys Phe Val Val Lys Phe Phe
187 110 115 120
188 Pro Pro Asp His Thr Gln Leu Gln Glu Glu Leu Thr Arg Tyr Leu
189 125 130 135
190 Phe Ala Leu Gln Val Lys Gln Asp Leu Ala Gln Gly Arg Leu Thr
191 140 145 150
192 Cys Asn Asp Thr Ser Ala Ala Leu Leu Ile Ser His Ile Val Gln

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Input Set : N:\Crif3\08262002\I786797A.raw

Output Set: N:\CRF3\08282002\I786797B.raw

193		155		160		165
194	Ser Glu Ile Gly Asp Phe Asp Glu Ala	Leu Asp Arg Glu His	Leu			
195		170		175		180
196	Ala Lys Asn Lys Tyr Ile Pro Gln Gln	Asp Ala Leu Glu Asp	Lys			
197		185		190		195
198	Ile Val Glu Phe His His Asn His Ile	Gly Gln Thr Pro Ala	Glu			
199		200		205		210
200	Ser Asp Phe Gln Leu Leu Glu Ile Ala	Arg Arg Leu Glu Met	Tyr			
201		215		220		225
202	Gly Ile Arg Leu His Pro Ala Lys Asp	Arg Glu Gly Thr Lys	Ile			
203		230		235		240
204	Asn Leu Ala Val Ala Asn Thr Gly Ile	Leu Val Phe Gln Gly	Phe			
205		245		250		255
206	Thr Lys Ile Asn Ala Phe Asn Trp Ala	Lys Val Arg Lys Leu	Ser			
207		260		265		270
208	Phe Lys Arg Lys Arg Phe Phe Ile Lys	Leu Arg Pro Asp Ala	Asn			
209		275		280		285
210	Ser Ala Tyr Gln Asp Thr Leu Glu Phe	Leu Met Ala Ser Arg	Asp			
211		290		295		300
212	Phe Cys Lys Ser Phe Trp Lys Ile Cys	Val Glu His His Ala	Phe			
213		305		310		315
214	Phe Arg Leu Phe Glu Glu Pro Lys Pro	Lys Pro Lys Pro Val	Leu			
215		320		325		330
216	Phe Ser Arg Gly Ser Ser Phe Arg Phe	Ser Gly Arg Thr Gln	Lys			
217		335		340		345
218	Gln Val Leu Asp Tyr Val Lys Glu Gly	Gly His Lys Lys Val	Gln			
219		350		355		360
220	Phe Glu Arg Lys His Ser Lys Ile His	Ser Ile Arg Ser Leu	Ala			
221		365		370		375
222	Ser Gln Pro Thr Glu Leu Asn Ser Glu	Val Leu Glu Gln Ser	Gln			
223		380		385		390
224	Gln Ser Thr Ser Leu Thr Phe Gly Glu	Gly Ala Glu Ser Pro	Gly			
225		395		400		405
226	Gly Gln Ser Cys Arg Arg Gly Lys Glu	Pro Lys Val Ser Ala	Gly			
227		410		415		420
228	Glu Pro Gly Ser His Pro Ser Pro Ala	Pro Arg Arg Ser Pro	Ala			
229		425		430		435
230	Gly Asn Lys Gln Ala Asp Gly Ala Ala	Ser Ala Pro Thr Glu	Glu			
231		440		445		450
232	Glu Glu Glu Val Val Lys Asp Arg Thr	Gln Gln Ser Lys Pro	Gln			
233		455		460		465
234	Pro Pro Gln Pro Ser Thr Gly Ser Leu	Thr Gly Ser Pro His	Leu			
235		470		475		480
236	Ser Glu Leu Ser Val Asn Ser Gln Gly	Gly Val Ala Pro Ala	Asn			
237		485		490		495
238	Val Thr Leu Ser Pro Asn Leu Ser Pro	Asp Thr Lys Gln Ala	Ser			
239		500		505		510
240	Pro Leu Ile Ser Pro Leu Leu Asn Asp	Gln Ala Cys Pro Arg	Thr			
241		515		520		525

VERIFICATION SUMMARY

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TIME: 12:24:32

Input Set : N:\Crif3\08262002\I786797A.raw

Output Set: N:\CRF3\08282002\I786797B.raw

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L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD